

<110> INCYTE PHARMACEUTICALS, INC.

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GUEGLER, Karl J.
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CORLEY, Neil C.
BAUGHN, Mariah R.
TANG, Y. Tom
HILLMAN, Jennifer L.
BANDMAN, Olga
AZIMZAI, Yalda
AU-YOUNG, Janice
YUE, Henry
LU, Dyung Aina M.
YANG, Junming

<120> OXIDOREDUCTASE MOLECULES

<130> PF-0610 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/167,519; unassigned; 09/204,999; unassigned; 60/123,911

<151> 1998-10-06; 1998-10-06; 1998-12-02; 1998-12-02; 1999-10-03

<160> PERL Program

<170> 30

<210> 1

<211> 280

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 000746CD1

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Met	Ala	Pro	Ser	Gly	Ser	Leu	Ala	Val	Pro	Leu	Ala	Val	Leu	Val
1				5				10					15	
Leu	Leu	Leu	Trp	Gly	Ala	Pro	Trp	Thr	His	Gly	Arg	Arg	Ser	Asn
				20				25					30	
Val	Arg	Val	Ile	Thr	Asp	Glu	Asn	Trp	Arg	Glu	Leu	Leu	Glu	Gly
				35				40					45	
Asp	Trp	Met	Ile	Glu	Phe	Tyr	Ala	Pro	Trp	Cys	Pro	Ala	Cys	Gln
				50				55					60	
Asn	Leu	Gln	Pro	Glu	Trp	Glu	Ser	Phe	Ala	Glu	Trp	Gly	Glu	Asp
				65				70					75	
Leu	Glu	Val	Asn	Ile	Ala	Lys	Val	Asp	Val	Thr	Glu	Gln	Pro	Gly
				80				85					90	
Leu	Ser	Gly	Arg	Phe	Ile	Ile	Thr	Ala	Leu	Pro	Thr	Ile	Tyr	His

	95		100		105
Cys Lys Asp Gly	Glu Phe Arg Arg Tyr	Gln Gly Pro Arg Thr	Lys		
	110		115		120
Lys Asp Phe Ile	Asn Phe Ile Ser Asp	Lys Glu Trp Lys Ser	Ile		
	125		130		135
Glu Pro Val Ser	Ser Trp Phe Gly Pro	Gly Ser Val Leu Met	Ser		
	140		145		150
Ser Met Ser Ala	Leu Phe Gln Leu Ser	Met Trp Ile Arg Thr	Cys		
	155		160		165
His Asn Tyr Phe	Ile Glu Asp Leu Gly	Leu Pro Val Trp Gly	Ser		
	170		175		180
Tyr Thr Val Phe	Ala Leu Ala Thr Leu	Phe Ser Gly Leu Leu	Leu		
	185		190		195
Gly Leu Cys Met	Ile Phe Val Ala Asp	Cys Leu Cys Pro Ser	Lys		
	200		205		210
Arg Arg Arg Pro	Gln Pro Tyr Pro Tyr	Pro Ser Lys Lys Leu	Leu		
	215		220		225
Ser Glu Ser Ala	Gln Pro Leu Lys Lys	Val Glu Glu Glu Gln	Glu		
	230		235		240
Ala Asp Glu Glu	Asp Val Ser Glu Glu	Glu Ala Glu Ser Lys	Glu		
	245		250		255
Gly Thr Asn Lys	Asp Phe Pro Gln Asn	Ala Ile Arg Gln Arg	Ser		
	260		265		270
Leu Gly Pro Ser	Leu Ala Thr Asp Lys	Ser			
	275		280		

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<211> 166

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2472577CD1

<400> 2

Met Gln Glu Ile	Asn Gln Asn Leu Ala	Glu Glu Ala Gly Leu	Asn		
1	5	10	15		
Ile Thr His Ile	Cys Leu Pro Pro Asp	Ser Ser Glu Ala Glu	Ile		
	20	25	30		
Ile Asp Glu Ile	Leu Lys Ile Asn Glu	Asp Thr Arg Val His	Gly		
	35	40	45		
Leu Ala Leu Gln	Ile Ser Glu Asn Leu	Phe Ser Asn Lys Val	Leu		
	50	55	60		
Asn Ala Leu Lys	Pro Glu Lys Asp Val	Asp Gly Val Thr Asp	Ile		
	65	70	75		
Asn Leu Gly Lys	Leu Val Arg Gly Asp	Ala His Glu Cys Phe	Val		
	80	85	90		
Ser Pro Val Ala	Lys Ala Val Ile Glu	Leu Leu Glu Lys Ser	Val		
	95	100	105		
Gly Val Asn Leu	Asp Gly Lys Lys Ile	Leu Val Val Gly Ala	His		
	110	115	120		

Gly	Ser	Leu	Glu	Ala	Ala	Leu	Gln	Cys	Leu	Phe	Gln	Arg	Lys	Gly
				125					130					135
Ser	Met	Thr	Met	Ser	Ile	Gln	Trp	Lys	Thr	Arg	Gln	Leu	Gln	Ser
				140					145					150
Lys	Thr	Glu	Ser	Arg	Ser	Val	Thr	Arg	Leu	Glu	Cys	Arg	Arg	Val
				155					160					165
Ile														

<210> 3

<211> 319

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2160405CD1

<400> 3

Met	Ala	Ser	Ser	Ala	Ala	Gly	Cys	Val	Val	Ile	Val	Gly	Ser	Gly
1				5					10					15
Val	Ile	Gly	Arg	Ser	Trp	Ala	Met	Leu	Phe	Ala	Ser	Gly	Gly	Phe
				20					25					30
Gln	Val	Lys	Leu	Tyr	Asp	Ile	Glu	Gln	Gln	Gln	Ile	Arg	Asn	Ala
				35					40					45
Leu	Glu	Asn	Ile	Arg	Lys	Glu	Met	Lys	Leu	Leu	Glu	Gln	Ala	Gly
				50					55					60
Ser	Leu	Lys	Gly	Ser	Leu	Ser	Val	Glu	Glu	Gln	Leu	Ser	Leu	Ile
				65					70					75
Ser	Gly	Cys	Pro	Asn	Ile	Gln	Glu	Ala	Val	Glu	Gly	Ala	Met	His
				80					85					90
Ile	Gln	Glu	Cys	Val	Pro	Glu	Asp	Leu	Glu	Leu	Lys	Lys	Lys	Ile
				95					100					105
Phe	Ala	Gln	Leu	Asp	Ser	Ile	Ile	Asp	Asp	Arg	Val	Ile	Leu	Ser
				110					115					120
Ser	Ser	Thr	Ser	Cys	Leu	Met	Pro	Ser	Lys	Leu	Phe	Ala	Gly	Leu
				125					130					135
Val	His	Val	Lys	Gln	Cys	Ile	Val	Ala	His	Pro	Val	Asn	Pro	Pro
				140					145					150
Tyr	Tyr	Ile	Pro	Leu	Val	Glu	Leu	Val	Pro	His	Pro	Glu	Thr	Ala
				155					160					165
Pro	Thr	Thr	Val	Asp	Arg	Thr	His	Ala	Leu	Met	Lys	Lys	Ile	Gly
				170					175					180
Gln	Cys	Pro	Met	Arg	Val	Gln	Lys	Glu	Val	Ala	Gly	Phe	Val	Leu
				185					190					195
Asn	Arg	Leu	Gln	Tyr	Ala	Ile	Ile	Ser	Glu	Ala	Trp	Arg	Leu	Val
				200					205					210
Glu	Glu	Gly	Ile	Val	Ser	Pro	Ser	Asp	Leu	Asp	Leu	Val	Met	Ser
				215					220					225
Glu	Gly	Leu	Gly	Met	Arg	Tyr	Ala	Phe	Ile	Gly	Pro	Leu	Glu	Thr
				230					235					240
Met	His	Leu	Asn	Ala	Glu	Gly	Met	Leu	Ser	Tyr	Cys	Asp	Arg	Tyr
				245					250					255

Ser	Glu	Gly	Ile	Lys	His	Val	Leu	Gln	Thr	Phe	Gly	Pro	Ile	Pro
				260					265					270
Glu	Phe	Ser	Arg	Ala	Thr	Ala	Glu	Lys	Val	Asn	Gln	Asp	Met	Cys
				275					280					285
Met	Lys	Val	Pro	Asp	Asp	Pro	Glu	His	Leu	Ala	Ala	Arg	Arg	Gln
				290					295					300
Trp	Arg	Asp	Glu	Cys	Leu	Met	Arg	Leu	Ala	Lys	Leu	Lys	Ser	Gln
				305					310					315
Val	Gln	Pro	Gln											

<210> 4

<211> 318

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2591695CD1

<400> 4

Met	Ala	Pro	Trp	Ala	Glu	Ala	Glu	His	Ser	Ala	Leu	Asn	Pro	Leu
1				5					10					15
Arg	Ala	Val	Trp	Leu	Thr	Leu	Thr	Ala	Ala	Phe	Leu	Leu	Thr	Leu
				20					25					30
Leu	Leu	Gln	Leu	Leu	Pro	Pro	Gly	Leu	Leu	Pro	Gly	Cys	Ala	Ile
				35					40					45
Phe	Gln	Asp	Leu	Ile	Arg	Tyr	Gly	Lys	Thr	Lys	Cys	Gly	Glu	Pro
				50					55					60
Ser	Arg	Pro	Ala	Ala	Cys	Arg	Ala	Phe	Asp	Val	Pro	Lys	Arg	Tyr
				65					70					75
Phe	Ser	His	Phe	Tyr	Ile	Ile	Ser	Val	Leu	Trp	Asn	Gly	Phe	Leu
				80					85					90
Leu	Trp	Cys	Leu	Thr	Gln	Ser	Leu	Phe	Leu	Gly	Ala	Pro	Phe	Pro
				95					100					105
Ser	Trp	Leu	His	Gly	Leu	Leu	Arg	Ile	Leu	Gly	Ala	Ala	Gln	Phe
				110					115					120
Gln	Gly	Gly	Glu	Leu	Ala	Leu	Ser	Ala	Phe	Leu	Val	Leu	Val	Phe
				125					130					135
Leu	Trp	Leu	His	Ser	Leu	Arg	Arg	Leu	Phe	Glu	Cys	Leu	Tyr	Val
				140					145					150
Ser	Val	Phe	Ser	Asn	Val	Met	Ile	His	Val	Val	Gln	Tyr	Cys	Phe
				155					160					165
Gly	Leu	Val	Tyr	Tyr	Val	Leu	Val	Gly	Leu	Thr	Val	Leu	Ser	Gln
				170					175					180
Val	Pro	Met	Asp	Gly	Arg	Asn	Ala	Tyr	Ile	Thr	Gly	Lys	Asn	Leu
				185					190					195
Leu	Met	Gln	Ala	Arg	Trp	Phe	His	Ile	Leu	Gly	Met	Met	Met	Phe
				200					205					210
Ile	Trp	Ser	Ser	Ala	His	Gln	Tyr	Lys	Cys	His	Val	Ile	Leu	Gly
				215					220					225
Asn	Leu	Arg	Lys	Asn	Lys	Ala	Gly	Val	Val	Ile	His	Cys	Asn	His
				230					235					240

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<210> 5
<211> 330
<212> PRT
<213> Homo sapiens
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<220>  
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<223> Incyte ID No.: 474100CD1
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5/29

Lys	Gly	Thr	Phe	His	Trp	Ser	Gly	Asn	Glu	Gln	Met	Thr	Lys	Tyr
				245					250					255
Glu	Met	Ala	Cys	Ala	Ile	Ala	Asp	Ala	Phe	Asn	Leu	Pro	Ser	Ser
				260					265					270
His	Leu	Arg	Pro	Ile	Thr	Asp	Ser	Pro	Val	Leu	Gly	Ala	Gln	Arg
				275					280					285
Pro	Arg	Asn	Ala	Gln	Leu	Asp	Cys	Ser	Lys	Leu	Glu	Thr	Leu	Gly
				290					295					300
Ile	Gly	Gln	Arg	Thr	Pro	Phe	Arg	Ile	Gly	Ile	Lys	Glu	Ser	Leu
				305					310					315
Trp	Pro	Phe	Leu	Ile	Asp	Lys	Arg	Trp	Arg	Gln	Thr	Val	Phe	His
				320					325					330

<210> 6

<211> 266

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1304767CD1

<400> 6

Met	Ala	Thr	Gly	Thr	Arg	Tyr	Ala	Gly	Lys	Val	Val	Val	Val	Thr
1				5					10					15
Gly	Ile	Gly	Ala	Gly	Ile	Val	Arg	Ala	Phe	Val	Asp	Ser	Gly	Ala
				20					25					30
Arg	Val	Val	Ile	Cys	Asp	Lys	Asp	Glu	Ser	Gly	Gly	Arg	Ala	Leu
				35					40					45
Glu	Gln	Glu	Leu	Pro	Gly	Ala	Val	Phe	Ile	Leu	Cys	Asp	Val	Thr
				50					55					60
Gln	Glu	Asp	Asp	Val	Lys	Thr	Leu	Val	Ser	Glu	Thr	Ile	Arg	Arg
				65					70					75
Phe	Gly	Arg	Leu	Asp	Cys	Val	Val	Asn	Asn	Ala	Gly	His	His	Pro
				80					85					90
Pro	Pro	Gln	Arg	Pro	Glu	Glu	Thr	Ser	Ala	Gln	Gly	Phe	Arg	Gln
				95					100					105
Leu	Leu	Glu	Leu	Asn	Leu	Leu	Gly	Thr	Tyr	Thr	Leu	Thr	Lys	Leu
				110					115					120
Ala	Leu	Pro	Tyr	Leu	Arg	Lys	Ser	Gln	Gly	Asn	Val	Ile	Asn	Ile
				125					130					135
Ser	Ser	Leu	Val	Gly	Ala	Ile	Gly	Gln	Ala	Gln	Ala	Val	Pro	Tyr
				140					145					150
Val	Ala	Thr	Lys	Gly	Ala	Val	Thr	Ala	Met	Thr	Lys	Ala	Leu	Ala
				155					160					165
Leu	Asp	Glu	Ser	Pro	Tyr	Gly	Val	Arg	Val	Asn	Cys	Ile	Ser	Pro
				170					175					180
Gly	Asn	Ile	Trp	Thr	Pro	Leu	Trp	Glu	Glu	Leu	Ala	Ala	Leu	Met
				185					190					195
Pro	Asp	Pro	Arg	Ala	Thr	Ile	Arg	Glu	Gly	Met	Leu	Ala	Gln	Pro
				200					205					210
Leu	Gly	Arg	Met	Gly	Gln	Pro	Ala	Glu	Val	Gly	Ala	Ala	Ala	Val
				215					220					225
Phe	Leu	Ala	Ser	Glu	Ala	Asn	Phe	Cys	Thr	Gly	Ile	Glu	Leu	Leu

	230		235		240
Val Thr Gly Gly	Ala Glu Leu Gly Tyr	Gly Cys Lys Ala Ser	Arg		
	245		250		255
Ser Thr Pro Val	Asp Ala Pro Asp Ile	Pro Ser			
	260		265		

<210> 7

<211> 302

<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No.: 1465978CD1

<400> 7

Met Val Trp Lys Arg	Leu Gly Ala Leu Val	Met Phe Pro Leu Gln
1	5	10 15
Met Ile Tyr Leu Val	Val Lys Ala Ala Val	Gly Leu Val Leu Pro
	20	25 30
Ala Lys Leu Arg Asp	Leu Ser Arg Glu Asn	Val Leu Ile Thr Gly
	35	40 45
Gly Gly Arg Gly Ile	Gly Arg Gln Leu Ala	Arg Glu Phe Ala Glu
	50	55 60
Arg Gly Ala Arg Lys	Ile Val Leu Trp Gly	Arg Thr Glu Lys Cys
	65	70 75
Leu Lys Glu Thr Thr	Glu Glu Ile Arg Gln	Met Gly Thr Glu Cys
	80	85 90
His Tyr Phe Ile Cys	Asp Val Gly Asn Arg	Glu Glu Val Tyr Gln
	95	100 105
Thr Ala Lys Ala Val	Arg Glu Lys Val Gly	Asp Ile Thr Ile Leu
	110	115 120
Val Asn Asn Ala Ala	Val Val His Gly Lys	Ser Leu Met Asp Ser
	125	130 135
Asp Asp Asp Ala Leu	Leu Lys Ser Gln His	Ile Asn Thr Leu Gly
	140	145 150
Gln Phe Trp Thr Thr	Lys Ala Phe Leu Pro	Arg Met Leu Glu Leu
	155	160 165
Gln Asn Gly His Ile	Val Cys Leu Asn Ser	Val Leu Ala Leu Ser
	170	175 180
Ala Ile Pro Gly Ala	Ile Asp Tyr Cys Thr	Ser Lys Ala Ser Ala
	185	190 195
Phe Ala Phe Met Glu	Ser Leu Thr Leu Gly	Leu Leu Asp Cys Pro
	200	205 210
Gly Val Ser Ala Thr	Thr Val Leu Pro Phe	His Thr Ser Thr Glu
	215	220 225
Met Phe Gln Gly Met	Arg Val Arg Phe Pro	Asn Leu Phe Pro Pro
	230	235 240
Leu Lys Pro Glu Thr	Val Ala Arg Arg Thr	Val Glu Ala Val Gln
	245	250 255
Leu Asn Gln Ala Leu	Leu Leu Leu Pro Trp	Thr Met His Ala Leu
	260	265 270
Val Ile Leu Lys Ser	Ile Leu Pro Gln Ala	Ala Leu Glu Glu Ile
	275	280 285

His Lys Phe Ser Gly Thr Tyr Thr Cys Met Asn Thr Phe Lys Gly
 290 295 300
 Arg Thr

<210> 8

<211> 300

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1635966CD1

<400> 8

Met	Lys	Phe	Leu	Leu	Asp	Ile	Leu	Leu	Leu	Leu	Pro	Leu	Leu	Ile
1				5					10					15
Val	Cys	Ser	Leu	Glu	Ser	Phe	Val	Lys	Leu	Phe	Ile	Pro	Lys	Arg
			20						25					30
Arg	Lys	Ser	Val	Thr	Gly	Glu	Ile	Val	Leu	Ile	Thr	Gly	Ala	Gly
			35						40					45
His	Gly	Ile	Val	Arg	Leu	Thr	Ala	Tyr	Glu	Phe	Ala	Lys	Leu	Lys
			50						55					60
Ser	Lys	Leu	Val	Leu	Trp	Asp	Ile	Asn	Lys	His	Gly	Leu	Glu	Glu
			65						70					75
Thr	Ala	Ala	Lys	Cys	Lys	Gly	Leu	Gly	Ala	Lys	Val	His	Thr	Phe
			80						85					90
Val	Val	Asp	Cys	Ser	Asn	Arg	Glu	Asp	Ile	Tyr	Ser	Ser	Ala	Lys
			95						100					105
Lys	Val	Lys	Ala	Glu	Ile	Gly	Asp	Val	Ser	Ile	Leu	Val	Asn	Asn
			110						115					120
Ala	Gly	Val	Val	Tyr	Thr	Ser	Asp	Leu	Phe	Ala	Thr	Gln	Asp	Pro
			125						130					135
Gln	Ile	Glu	Lys	Thr	Phe	Glu	Val	Asn	Val	Leu	Ala	His	Phe	Trp
			140						145					150
Thr	Thr	Lys	Ala	Phe	Leu	Pro	Ala	Met	Thr	Lys	Asn	Asn	His	Gly
			155						160					165
His	Ile	Val	Thr	Val	Ala	Ser	Ala	Ala	Gly	His	Val	Ser	Val	Pro
			170						175					180
Phe	Leu	Leu	Ala	Tyr	Cys	Ser	Ser	Lys	Phe	Ala	Ala	Val	Gly	Phe
			185						190					195
His	Lys	Thr	Leu	Thr	Asp	Glu	Leu	Ala	Ala	Leu	Gln	Ile	Thr	Gly
			200						205					210
Val	Lys	Thr	Thr	Cys	Leu	Cys	Pro	Asn	Phe	Val	Asn	Thr	Gly	Phe
			215						220					225
Ile	Lys	Asn	Pro	Ser	Thr	Ser	Leu	Gly	Pro	Thr	Leu	Glu	Pro	Glu
			230						235					240
Glu	Val	Val	Asn	Arg	Leu	Met	His	Gly	Ile	Leu	Thr	Glu	Gln	Lys
			245						250					255
Met	Ile	Phe	Ile	Pro	Ser	Ser	Ile	Ala	Phe	Leu	Thr	Thr	Leu	Glu
			260						265					270
Arg	Ile	Leu	Pro	Glu	Arg	Phe	Leu	Ala	Val	Leu	Lys	Arg	Lys	Ile
			275						280					285
Ser	Val	Lys	Phe	Asp	Ala	Val	Ile	Gly	Tyr	Lys	Met	Lys	Ala	Gln
			290						295					300

<210> 9
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No.: 1638410CD1

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 Met Phe Arg Cys Gly Gly Leu Ala Ala Gly Ala Leu Lys Gln Lys
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 Leu Val Pro Leu Val Arg Thr Val Cys Val Arg Ser Pro Arg Gln
 20 25 30
 Arg Asn Arg Leu Pro Gly Asn Leu Phe Gln Arg Trp His Val Pro
 35 40 45
 Leu Glu Leu Gln Met Thr Arg Gln Met Ala Ser Ser Gly Ala Ser
 50 55 60
 Gly Gly Lys Ile Asp Asn Ser Val Leu Val Leu Ile Val Gly Leu
 65 70 75
 Ser Thr Val Gly Ala Gly Ala Tyr Ala Tyr Lys Thr Met Lys Glu
 80 85 90
 Asp Glu Lys Arg Tyr Asn Glu Arg Ile Ser Gly Leu Gly Leu Thr
 95 100 105
 Pro Glu Gln Lys Gln Lys Lys Ala Ala Leu Ser Ala Ser Glu Gly
 110 115 120
 Glu Glu Val Pro Gln Asp Lys Ala Pro Ser His Val Pro Phe Leu
 125 130 135
 Leu Ile Gly Gly Gly Thr Ala Ala Phe Ala Ala Ala Arg Ser Ile
 140 145 150
 Arg Ala Arg Asp Pro Gly Ala Arg Val Leu Ile Val Ser Glu Asp
 155 160 165
 Pro Glu Leu Pro Tyr Met Arg Pro Pro Leu Ser Lys Glu Leu Trp
 170 175 180
 Phe Ser Asp Asp Pro Asn Val Thr Lys Thr Leu Arg Phe Lys Gln
 185 190 195
 Trp Asn Gly Lys Gly Arg Ser Ile Tyr Phe Gln Pro Pro Ser Phe
 200 205 210
 Tyr Val Ser Ala Gln Asp Leu Pro His Ile Glu Asn Gly Gly Val
 215 220 225
 Ala Val Leu Thr Gly Lys Lys Val Val Gln Leu Asp Val Arg Asp
 230 235 240
 Asn Met Val Lys Leu Asn Asp Gly Ser Gln Ile Thr Tyr Glu Lys
 245 250 255
 Cys Leu Ile Ala Thr Gly Gly Thr Pro Arg Ser Leu Ser Ala Ile
 260 265 270
 Asp Arg Ala Gly Ala Glu Val Lys Ser Arg Thr Thr Leu Phe Arg
 275 280 285
 Lys Ile Gly Asp Phe Arg Ser Leu Glu Lys Ile Ser Arg Glu Val
 290 295 300
 Lys Ser Ile Thr Ile Ile Gly Gly Gly Phe Leu Gly Ser Glu Leu
 305 310 315
 Ala Cys Ala Leu Gly Arg Lys Ala Arg Ala Leu Gly Thr Glu Val
 320 325 330

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Ile Gln Leu Phe Pro Glu Lys Gly Asn Met Gly Lys Ile Leu Pro
      335                      340                      345
Glu Tyr Leu Ser Asn Trp Thr Met Glu Lys Val Arg Arg Glu Gly
      350                      355                      360
Val Lys Val Met Pro Asn Ala Ile Val Gln Ser Val Gly Val Ser
      365                      370                      375
Ser Gly Lys Leu Leu Ile Lys Leu Lys Asp Gly Arg Lys Val Glu
      380                      385                      390
Thr Asp His Ile Val Ala Ala Val Gly Leu Glu Pro Asn Val Glu
      395                      400                      405
Leu Ala Lys Thr Gly Gly Leu Glu Ile Asp Ser Asp Phe Gly Gly
      410                      415                      420
Phe Arg Val Asn Ala Glu Leu Gln Ala Arg Ser Asn Ile Trp Val
      425                      430                      435
Ala Gly Asp Ala Ala Cys Phe Tyr Asp Ile Lys Leu Gly Arg Arg
      440                      445                      450
Arg Val Glu His His Asp His Ala Val Val Ser Gly Arg Leu Ala
      455                      460                      465
Gly Glu Asn Met Thr Gly Ala Ala Lys Pro Tyr Trp His Gln Ser
      470                      475                      480
Met Phe Trp Ser Asp Leu Gly Pro Asp Val Gly Tyr Glu Ala Ile
      485                      490                      495
Gly Leu Val Asp Ser Ser Leu Pro Thr Val Gly Val Phe Ala Lys
      500                      505                      510
Ala Thr Ala Gln Asp Asn Pro Lys Ser Ala Thr Glu Gln Ser Gly
      515                      520                      525
Thr Gly Ile Arg Ser Glu Ser Glu Thr Glu Ser Glu Ala Ser Glu
      530                      535                      540
Ile Thr Ile Pro Pro Ser Thr Pro Ala Val Pro Gln Ala Pro Val
      545                      550                      555
Gln Gly Glu Asp Tyr Gly Lys Gly Val Ile Phe Tyr Leu Arg Asp
      560                      565                      570
Lys Val Val Val Gly Ile Val Leu Trp Asn Ile Phe Asn Arg Met
      575                      580                      585
Pro Ile Ala Arg Lys Ile Ile Lys Asp Gly Glu Gln His Glu Asp
      590                      595                      600
Leu Asn Glu Val Ala Lys Leu Phe Asn Ile His Glu Asp
      605                      610

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<210> 10

<211> 325

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1743409CD1

<400> 10

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Met Val Ser Pro Ala Thr Arg Lys Ser Leu Pro Lys Val Lys Ala
  1                      5                      10                      15
Met Asp Phe Ile Thr Ser Thr Ala Ile Leu Pro Leu Leu Phe Gly
                      20                      25                      30
Cys Leu Gly Val Phe Gly Leu Phe Arg Leu Leu Gln Trp Val Arg

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<210> 11
<211> 421
<212> PRT
<213> Homo sapiens
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<400> 11
Met Trp Tyr His Arg Leu Ser His Leu His Ser Arg Leu Gln Asp
      1              5              10              15
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Leu	Leu	Lys	Gly	Gly	Val	Ile	Tyr	Pro	Ala	Leu	Pro	Gln	Pro	Asn
				20					25					30
Phe	Lys	Ser	Leu	Leu	Pro	Leu	Ala	Val	His	Trp	His	His	Thr	Ala
				35					40					45
Ser	Lys	Ser	Leu	Thr	Cys	Ala	Trp	Gln	Gln	His	Glu	Asp	His	Phe
				50					55					60
Glu	Leu	Lys	Tyr	Ala	Asn	Thr	Val	Met	Arg	Leu	Asp	Tyr	Val	Trp
				65					70					75
Leu	Arg	Asp	His	Cys	Arg	Ser	Ala	Ser	Cys	Tyr	Asn	Ser	Lys	Thr
				80					85					90
His	Gln	Arg	Ser	Trp	Asp	Thr	Ala	Ser	Val	Asp	Leu	Cys	Ile	Lys
				95					100					105
Pro	Lys	Thr	Ile	Arg	Leu	Asp	Glu	Thr	Thr	Leu	Phe	Phe	Thr	Trp
				110					115					120
Pro	Asp	Gly	His	Val	Thr	Lys	Tyr	Asp	Leu	Asn	Trp	Leu	Val	Lys
				125					130					135
Asn	Ser	Tyr	Glu	Gly	Gln	Lys	Gln	Lys	Val	Ile	Gln	Pro	Arg	Ile
				140					145					150
Leu	Trp	Asn	Ala	Glu	Ile	Tyr	Gln	Gln	Ala	Gln	Val	Pro	Ser	Val
				155					160					165
Asp	Cys	Gln	Ser	Phe	Leu	Glu	Thr	Asn	Glu	Gly	Leu	Lys	Lys	Phe
				170					175					180
Leu	Gln	Asn	Phe	Leu	Leu	Tyr	Gly	Ile	Ala	Phe	Val	Glu	Asn	Val
				185					190					195
Pro	Pro	Thr	Gln	Glu	His	Thr	Glu	Lys	Leu	Ala	Glu	Arg	Ile	Ser
				200					205					210
Leu	Ile	Arg	Glu	Thr	Ile	Tyr	Gly	Arg	Met	Trp	Tyr	Phe	Thr	Ser
				215					220					225
Asp	Phe	Ser	Arg	Gly	Asp	Thr	Ala	Tyr	Thr	Lys	Leu	Ala	Leu	Asp
				230					235					240
Arg	His	Thr	Asp	Thr	Thr	Tyr	Phe	Gln	Glu	Pro	Cys	Gly	Ile	Gln
				245					250					255
Val	Phe	His	Cys	Leu	Lys	His	Glu	Gly	Thr	Gly	Gly	Arg	Thr	Leu
				260					265					270
Leu	Val	Asp	Gly	Phe	Tyr	Ala	Ala	Glu	Gln	Val	Leu	Gln	Lys	Ala
				275					280					285
Pro	Glu	Glu	Phe	Glu	Leu	Leu	Ser	Lys	Val	Pro	Leu	Lys	His	Glu
				290					295					300
Tyr	Ile	Glu	Asp	Val	Gly	Glu	Cys	His	Asn	His	Met	Ile	Gly	Ile
				305					310					315
Gly	Pro	Val	Leu	Asn	Ile	Tyr	Pro	Trp	Asn	Lys	Glu	Leu	Tyr	Leu
				320					325					330
Ile	Arg	Tyr	Asn	Asn	Tyr	Asp	Arg	Ala	Val	Ile	Asn	Thr	Val	Pro
				335					340					345
Tyr	Asp	Val	Val	His	Arg	Trp	Tyr	Thr	Ala	His	Arg	Thr	Leu	Thr
				350					355					360
Ile	Glu	Leu	Arg	Arg	Pro	Glu	Asn	Glu	Phe	Trp	Val	Lys	Leu	Lys
				365					370					375
Pro	Gly	Arg	Val	Leu	Phe	Ile	Asp	Asn	Trp	Arg	Val	Leu	His	Gly
				380					385					390
Arg	Glu	Cys	Phe	Thr	Gly	Tyr	Arg	Gln	Leu	Cys	Gly	Cys	Tyr	Leu
				395					400					405
Thr	Arg	Asp	Asp	Val	Leu	Asn	Thr	Ala	Arg	Leu	Leu	Gly	Leu	Gln
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Ala														

<210> 12
 <211> 610
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 1867333CD1

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 Asn Pro Phe Ser Glu Asp Val Lys Arg Pro Pro Ala Pro Leu Val
 35 40 45
 Thr Asp Lys Glu Ala Arg Lys Lys Val Leu Lys Gln Ala Phe Ser
 50 55 60
 Ala Asn Gln Val Pro Glu Lys Leu Asp Val Val Val Ile Gly Ser
 65 70 75
 Gly Phe Gly Gly Leu Ala Ala Ala Ala Ile Leu Ala Lys Ala Gly
 80 85 90
 Lys Arg Val Leu Val Leu Glu Gln His Thr Lys Ala Gly Gly Cys
 95 100 105
 Cys His Thr Phe Gly Lys Asn Gly Leu Glu Phe Asp Thr Gly Ile
 110 115 120
 His Tyr Ile Gly Arg Met Glu Glu Gly Ser Ile Gly Arg Phe Ile
 125 130 135
 Leu Asp Gln Ile Thr Glu Gly Gln Leu Asp Trp Ala Pro Leu Ser
 140 145 150
 Ser Pro Phe Asp Ile Met Val Leu Glu Gly Pro Asn Gly Arg Lys
 155 160 165
 Glu Tyr Pro Met Tyr Ser Gly Glu Lys Ala Tyr Ile Gln Gly Leu
 170 175 180
 Lys Glu Lys Phe Pro Gln Glu Glu Ala Ile Ile Asp Lys Tyr Ile
 185 190 195
 Lys Leu Val Lys Val Val Ser Ser Gly Ala Pro His Ala Ile Leu
 200 205 210
 Leu Lys Phe Leu Pro Leu Pro Val Val Gln Leu Leu Asp Arg Cys
 215 220 225
 Gly Leu Leu Thr Arg Phe Ser Pro Phe Leu Gln Ala Ser Thr Gln
 230 235 240
 Ser Leu Ala Glu Val Leu Gln Gln Leu Gly Ala Ser Ser Glu Leu
 245 250 255
 Gln Ala Val Leu Ser Tyr Ile Phe Pro Thr Tyr Gly Val Thr Pro
 260 265 270
 Asn His Ser Ala Phe Ser Met His Ala Leu Leu Val Asn His Tyr
 275 280 285
 Met Lys Gly Gly Phe Tyr Pro Arg Gly Gly Ser Ser Glu Ile Ala
 290 295 300
 Phe His Thr Ile Pro Val Ile Gln Arg Ala Gly Gly Ala Val Leu
 305 310 315

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Thr Lys Ala Thr Val Gln Ser Val Leu Leu Asp Ser Ala Gly Lys
      320      325      330
Ala Cys Gly Val Ser Val Lys Lys Gly His Glu Leu Val Asn Ile
      335      340      345
Tyr Cys Pro Ile Val Val Ser Asn Ala Gly Leu Phe Asn Thr Tyr
      350      355      360
Glu His Leu Leu Pro Gly Asn Ala Arg Cys Leu Pro Gly Val Lys
      365      370      375
Gln Gln Leu Gly Thr Val Arg Pro Gly Leu Gly Met Thr Ser Val
      380      385      390
Phe Ile Cys Leu Arg Gly Thr Lys Glu Asp Leu His Leu Pro Ser
      395      400      405
Thr Asn Tyr Tyr Val Tyr Tyr Asp Thr Asp Met Asp Gln Ala Met
      410      415      420
Glu Arg Tyr Val Ser Met Pro Arg Glu Glu Ala Ala Glu His Ile
      425      430      435
Pro Leu Leu Phe Phe Ala Phe Pro Ser Ala Lys Asp Pro Thr Trp
      440      445      450
Glu Asp Arg Phe Pro Gly Arg Ser Thr Met Ile Met Leu Ile Pro
      455      460      465
Thr Ala Tyr Glu Trp Phe Glu Glu Trp Gln Ala Glu Leu Lys Gly
      470      475      480
Lys Arg Gly Ser Asp Tyr Glu Thr Phe Lys Asn Ser Phe Val Glu
      485      490      495
Ala Ser Met Ser Val Val Leu Lys Leu Phe Pro Gln Leu Glu Gly
      500      505      510
Lys Val Glu Ser Val Thr Ala Gly Ser Pro Leu Thr Asn Gln Phe
      515      520      525
Tyr Leu Ala Ala Pro Arg Gly Ala Cys Tyr Gly Ala Asp His Asp
      530      535      540
Leu Gly Arg Leu His Pro Cys Val Met Ala Ser Leu Arg Ala Gln
      545      550      555
Ser Pro Ile Pro Asn Leu Tyr Leu Thr Gly Gln Asp Ile Phe Thr
      560      565      570
Cys Gly Leu Val Gly Ala Leu Gln Gly Ala Leu Leu Cys Ser Ser
      575      580      585
Ala Ile Leu Lys Arg Asn Leu Tyr Ser Asp Leu Lys Asn Leu Asp
      590      595      600
Ser Arg Ile Arg Ala Gln Lys Lys Lys Asn
      605      610

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<210> 13

<211> 415

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2906094CD1

<400> 13

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Met Leu Trp Ser Gly Cys Arg Arg Phe Gly Ala Arg Leu Gly Cys
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Leu Pro Gly Gly Leu Arg Val Leu Val Gln Thr Gly His Arg Ser
      20           25           30

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Leu Thr Ser Cys	Ile Asp Pro Ser Met Gly	Leu Asn Glu Glu Gln	
35	40		45
Lys Glu Phe Gln	Lys Val Ala Phe Asp Phe	Ala Ala Arg Glu Met	
50	55		60
Ala Pro Asn Met	Ala Glu Trp Asp Gln Lys	Glu Leu Phe Pro Val	
65	70		75
Asp Val Met Arg	Lys Ala Ala Gln Leu Gly	Phe Gly Gly Val Tyr	
80	85		90
Ile Gln Thr Asp	Val Gly Gly Ser Gly	Leu Ser Arg Leu Asp Thr	
95	100		105
Ser Val Ile Phe	Glu Ala Leu Ala Thr Gly	Cys Thr Ser Thr Thr	
110	115		120
Ala Tyr Ile Ser	Ile His Asn Met Cys	Ala Trp Met Ile Asp Ser	
125	130		135
Phe Gly Asn Glu	Glu Gln Arg His Lys	Phe Cys Pro Pro Leu Cys	
140	145		150
Thr Met Glu Lys	Phe Ala Ser Tyr Cys	Leu Thr Glu Pro Gly Ser	
155	160		165
Gly Ser Asp Ala	Ala Ser Leu Leu Thr	Ser Ala Lys Lys Gln Gly	
170	175		180
Asp His Tyr Ile	Leu Asn Gly Ser Lys	Ala Phe Ile Ser Gly Ala	
185	190		195
Gly Glu Ser Asp	Ile Tyr Val Val Met	Cys Arg Thr Gly Gly Pro	
200	205		210
Gly Pro Lys Gly	Ile Ser Cys Ile Val	Val Glu Lys Gly Thr Pro	
215	220		225
Gly Leu Ser Phe	Gly Lys Lys Glu Lys	Lys Val Gly Trp Asn Ser	
230	235		240
Gln Pro Thr Arg	Ala Val Ile Phe Glu	Asp Cys Ala Val Pro Val	
245	250		255
Ala Asn Arg Ile	Gly Ser Glu Gly Gln	Gly Phe Leu Ile Ala Val	
260	265		270
Arg Gly Leu Asn	Gly Gly Arg Ile Asn	Ile Ala Ser Cys Ser Leu	
275	280		285
Gly Ala Ala His	Ala Ser Val Ile Leu	Thr Arg Asp His Leu Asn	
290	295		300
Val Arg Lys Gln	Phe Gly Glu Pro Leu	Ala Ser Asn Gln Tyr Leu	
305	310		315
Gln Phe Thr Leu	Ala Asp Met Ala Thr	Arg Leu Val Ala Ala Arg	
320	325		330
Leu Met Val Arg	Asn Ala Ala Val Ala	Leu Gln Glu Glu Arg Lys	
335	340		345
Asp Ala Val Ala	Leu Cys Ser Met Ala	Lys Leu Phe Ala Thr Asp	
350	355		360
Glu Cys Phe Ala	Ile Cys Asn Gln Ala	Leu Gln Met His Gly Gly	
365	370		375
Tyr Gly Tyr Leu	Lys Asp Tyr Ala Val	Gln Gln Tyr Val Arg Asp	
380	385		390
Ser Arg Val His	Gln Ile Leu Glu Gly	Ser Asn Glu Val Met Arg	
395	400		405
Ile Leu Ile Ser	Arg Ser Leu Leu Gln	Glu	
410	415		

<210> 14

<211> 274
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No.: 3294314CD1

<400> 14
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 20 25 30
 Gly Lys Val Glu Ala Gln His Ile Leu Ala Ser Ala Pro Thr Asp
 35 40 45
 Arg Asn Leu Cys His Phe Gln Ala Leu Gly Cys Arg Thr Thr His
 50 55 60
 Ser Asn Gln Glu Val Leu Gln Ser Cys Leu Leu Val Ile Phe Ala
 65 70 75
 Thr Lys Pro His Val Leu Pro Ala Val Leu Ala Glu Val Ala Pro
 80 85 90
 Val Val Thr Thr Glu His Ile Leu Val Ser Val Ala Ala Gly Val
 95 100 105
 Ser Leu Ser Thr Leu Glu Glu Leu Leu Pro Pro Asn Thr Arg Val
 110 115 120
 Leu Arg Val Leu Pro Asn Leu Pro Cys Val Val Gln Glu Gly Ala
 125 130 135
 Ile Val Met Ala Arg Gly Arg His Val Gly Ser Ser Glu Thr Lys
 140 145 150
 Leu Leu Gln His Leu Leu Glu Ala Cys Gly Arg Cys Glu Glu Val
 155 160 165
 Pro Glu Ala Tyr Val Asp Ile His Thr Gly Leu Ser Gly Ser Gly
 170 175 180
 Val Ala Phe Val Cys Ala Phe Ser Glu Ala Leu Ala Glu Gly Ala
 185 190 195
 Val Lys Met Gly Met Pro Ser Ser Leu Ala His Arg Ile Ala Ala
 200 205 210
 Gln Thr Leu Leu Gly Thr Ala Lys Met Leu Leu His Glu Gly Gln
 215 220 225
 His Pro Ala Gln Leu Arg Ser Asp Val Cys Thr Pro Gly Gly Thr
 230 235 240
 Thr Ile Tyr Gly Leu His Ala Leu Glu Gln Gly Gly Leu Arg Ala
 245 250 255
 Ala Thr Met Ser Ala Val Glu Ala Ala Thr Cys Arg Ala Lys Glu
 260 265 270
 Leu Ser Arg Lys

<210> 15
 <211> 283
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 4940951CD1

<400> 15

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Gln	Ser	Gln	Gln	Gly	Ser	Val	Thr	Ala	Phe	Gln	Ile	Ser	Gly	Gly
				20					25					30
Asp	Val	Gln	Val	Leu	Gln	Val	Met	Leu	Lys	Ser	Gln	Glu	Lys	Leu
				35					40					45
Thr	Ala	Lys	Pro	Gly	Ala	Met	Cys	Tyr	Met	Ser	Gly	Asn	Met	Gln
				50					55					60
Met	Asp	Asn	Asn	Tyr	Leu	Pro	Glu	Asn	Asp	Gly	Gly	Val	Trp	Gln
				65					70					75
Trp	Ile	Phe	Gly	Lys	Arg	Val	Ser	Ser	Thr	Ile	Phe	Phe	Asn	Ser
				80					85					90
Gly	Ser	Asp	Asp	Gly	Tyr	Val	Gly	Ile	Ala	Ala	Pro	Phe	Pro	Gly
				95					100					105
Arg	Ile	Leu	Pro	Val	Asp	Leu	Thr	Asn	Phe	Ser	Gly	Glu	Leu	Leu
				110					115					120
Cys	Gln	Ala	Asp	Ala	Phe	Leu	Cys	Ser	Val	Asn	Asp	Val	Ser	Val
				125					130					135
Ser	Ser	Thr	Val	Glu	Pro	Arg	Pro	Arg	Asn	Ile	Glu	Ile	Gly	Ala
				140					145					150
Glu	Met	Ile	Leu	Lys	Gln	Lys	Leu	Arg	Gly	Gln	Gly	Met	Ala	Phe
				155					160					165
Leu	Val	Gly	Gly	Gly	Ser	Val	Met	Gln	Lys	Ile	Leu	Ala	Pro	Arg
				170					175					180
Glu	Val	Ile	Thr	Val	Asp	Ala	Ala	Cys	Ile	Val	Ala	Met	Ser	Ala
				185					190					195
Thr	Ile	Asn	Phe	Gln	Leu	Lys	Ser	Pro	Asn	Gln	Leu	Arg	Arg	Ala
				200					205					210
Val	Phe	Gly	Gly	Asp	Asn	Gln	Leu	Thr	Ala	Ser	Leu	Thr	Gly	Pro
				215					220					225
Gly	Val	Val	Phe	Ile	Gln	Ser	Leu	Pro	Phe	His	Arg	Leu	Ser	Gln
				230					235					240
Arg	Ile	Ala	Ser	Ser	Arg	Ser	Val	Ala	Gly	Pro	Ser	Leu	Arg	Asp
				245					250					255
Asn	Pro	Lys	Phe	Phe	Ile	Gln	Ile	Val	Met	Phe	Phe	Phe	Leu	Ala
				260					265					270
Tyr	Val	Met	Ile	Val	Ser	Ser	Ile	Ile	Leu	Thr	Asp	Val		
				275					280					

<210> 16

<211> 2471

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 000746CB1

<400> 16

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gcagttcccc tggcagtcct ggtgctgttg ctttggggtg ctccctggac gcacgggchg 180
cggagcaacg ttcgcgtcat cacggacgag aactggagag aactgctgga aggagactgg 240
atgatagaat tttatgcccc gtggtgccct gcttgtcaaa atcttcaacc ggaatgggaa 300
agttttgctg aatggggaga agatcttgag gttaatatg cgaaagtaga tgtcacagag 360
cagccaggac tgagtggacg gtttatcata actgctcttc ctactattta tcattgtaaa 420
gatggtgaat ttaggcgcta tcaggggtcca aggactaaga aggacttcat aaactttata 480
agtataaag agtggaagag tattgagccc gtttcatcat ggtttggtcc aggttctgtt 540
ctgatgagta gtatgtcagc actctttcag ctatctatgt ggatcaggac gtgccataac 600
tactttattg aagacccttg attgccagtg tggggatcat atactgtttt tgcttttagca 660
actctgtttt ccggactgtt attaggactc tgtatgatat ttgtggcaga ttgcttttgt 720
ccttcaaaaa ggcgagacc acagccatac ccataccctt caaaaaaatt attatcagaa 780
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<210> 17

<211> 822

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2472577CB1

<400> 17

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tcattcagaa ttcaaaagaa gttctaagtt tattgcaaga aaaaaaccct gccttcaagc 180
cggttcttgc aattatccag gcaggtagac acaacttgat gcaggaaatc aaccagaatt 240
tggtctgagga ggctgggtctg aacatcactc acatttgctt ccctccagat agcagtgaag 300
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atgtggatgg agtaacagac ataaacctgg ggaagctggt gcgaggggat gcccatgaat 480
gttttgtttc acctgttgcc aaagctgtaa ttgaacttct tgaaaaatca gtaggtgtca 540
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<210> 18

<211> 2026

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2160405CB1

<400> 18

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agcgggattt agtatggcgg attcacagga tgagccacga tgcattgctt cacatggacc 180
aagccagcaa acaacttgga aagccatgag acaagaagtg gaactgctta agatcactcg 240
atcatcaatg atggaatcta actgagcaaa aatcttcttc ttcagttcta gatcttcttg 300
aacacattcc tgaatgtgca tggcgccctc tactgcttct tggatattgg gacaaccact 360
gatgagtgc agctgctctt ccacactcag ggagcccttc agagaacctg cctgctccag 420
caacttcate tcctttctga tgtttccag ggcgttcctt atctgctggt gctcaatgct 480
atagagtttt acctggaagc ctccactggc aaacagcgtg gcccgagttc gcccaatgac 540
tccagtccca acgatcacca cgcagccgcc cgcggcgccg cgtccccggc ccaaccatgg 600
cgtcctccgc ggccggctgc gtggtgatcg ttggcagtggt agtcattggg cgaagctggg 660
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taaggaacgc cctggaaaac atcagaaagg agatgaagtt gctggagcag gcaggttctc 780
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agaagaagat ttttgctcag ttagattcca tcattgatga tgcagtgatc ttaagcagtt 960
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tgcagcctga gtgggggtggt gcaggccggt agtctgcccc tcacttttga tcatagccct 1740
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tcccttttctg agtactctgg ggcctgcat ttatgaggca cctaccttca ttttgctaac 1980
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<210> 19

<211> 1243

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 2591695CB1

<400> 19

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<210> 20

<211> 1921

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 474100CB1

<400> 20

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tggagtcatg cctgaaatgc cagaggacat ggagcaggag gaagttaaca tccctaatag 180
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WO 00/20604

PCT/US99/23434

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gcagaataat tggcatgcag ttggctgtgg tttcagaaga gcaagaccaa aatttgaaca 300
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aacaatcca ccttacagag aggaagacat accagctccc cttaaattgt atggcaaac 600
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<210> 21

<211> 1261

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1304767CB1

<400> 21

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aggcccaggc agttccctat gtggccacca agggggcagt aacagccatg accaaagctt 780
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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1635966CB1

<400> 23

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<210> 24

<211> 2222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 1638410CB1

<400> 24

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<210> 25
<211> 1278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No.: 1743409CB1
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24/29

<213> Homo sapiens

<220>

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<221> misc_feature
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<223> Incyte ID No.: 1867333CB1

<400> 27

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<210> 28

<211> 1594

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> 1530

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte ID No.: 2906094CB1

<400> 28

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<210> 29

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No.: 3294314CB1

<400> 29

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